

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **DISSOLVABLE OXIDES FOR BIOLOGICAL APPLICATIONS**

the specification of which ☐ is attached and/or ☒ was filed on May 29, 1997 as United States Application Serial No. _____ or PCT International Application No. PCT/FI97/00330 and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT international application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C. 119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

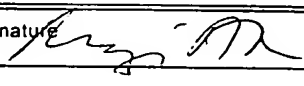
Application Number	Date of Filing
60/018,575	29/05/96
60/042,423	27/03/97

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT International filing date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., Douglas B. Henderson, Reg. No. 20,291; Ford F. Farabow, Jr., Reg. No. 20,630; Arthur S. Garrett, Reg. No. 20,338; Donald R. Dunner, Reg. No. 19,073; Brian G. Brunsvold, Reg. No. 22,593; Tipton D. Jennings, IV, Reg. No. 20,645; Jerry D. Voight, Reg. No. 23,020; Laurence R. Hefter, Reg. No. 20,827; Kenneth E. Payne, Reg. No. 23,098; Herbert H. Mintz, Reg. No. 26,691; C. Larry O'Rourke, Reg. No. 26,014; Albert J. Santorelli, Reg. No. 22,610; Michael C. Elmer, Reg. No. 25,857; Richard H. Smith, Reg. No. 20,609; Stephen L. Peterson, Reg. No. 26,325; John M. Romary, Reg. No. 26,331; Bruce C. Zotter, Reg. No. 27,680; Dennis P. O'Reilly, Reg. No. 27,932; Allen M. Sokal, Reg. No. 26,695; Robert D. Bajefsky, Reg. No. 25,387; Richard L. Stroup, Reg. No. 28,478; David W. Hill, Reg. No. 28,220; Thomas L. Irving, Reg. No. 28,619; Charles E. Lipsey, Reg. No. 28,165; Thomas W. Winland, Reg. No. 27,605; Basil J. Lewis, Reg. No. 28,818; Martin I. Fuchs, Reg. No. 28,508; E. Robert Yoches, Reg. No. 30,120; Barry W. Graham, Reg. No. 29,924; Susan Haberman Griffen, Reg. No. 30,907; Richard B. Racine, Reg. No. 30,415; Thomas H. Jenkins, Reg. No. 30,857; Robert E. Converse, Jr., Reg. No. 27,432; Clair X. Mullen, Jr., Reg. No. 20,348; Christopher P. Foley, Reg. No. 31,354; John C. Paul, Reg. No. 30,413; Roger D. Taylor, Reg. No. 28,992; David M. Kelly, Reg. No. 30,953; Kenneth J. Meyers, Reg. No. 25,146; Carol P. Einaudi, Reg. No. 32,220; Walter Y. Boyd, Jr., Reg. No. 31,738; Steven M. Anzalone, Reg. No. 32,095; Jean B. Fordis, Reg. No. 32,984; Barbara C. McCurdy, Reg. No. 32,120; James K. Hammond, Reg. No. 31,964; Richard V. Burgujian, Reg. No. 31,744; J. Michael Jakes, Reg. No. 32,824; Dirk D. Thomas, Reg. No. 32,600; Thomas W. Banks, Reg. No. 32,719; Christopher P. Isaac, Reg. No. 32,616; Bryan C. Diner, Reg. No. 32,409; M. Paul Barker, Reg. No. 32,013; Andrew Chanho Sonu, Reg. No. 33,457; David S. Forman, Reg. No. 33,694; Vincent P. Kovalick, Reg. No. 32,867; James W. Edmondson, Reg. No. 33,871; Michael R. McGurk, Reg. No. 32,045; Joann M. Neth, Reg. No. 36,363; Gerson S. Panitch, Reg. No. 33,751; Cheri M. Taylor, Reg. No. 33,216; Charles E. Van Horn, Reg. No. 40,266; and Linda A. Wadler, Reg. No. 33,218; and _____ Please recognize as an associate attorney Michael T. Siekman, Reg. No. 36,276, and Ernest F. Chapman, Reg. No. 25,961. Please address all correspondence to FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. 1300 I Street, N.W., Washington, D.C. 20005, Telephone No. (202) 408-4000.

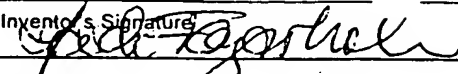


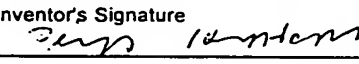
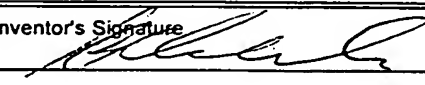
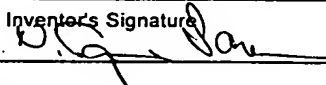
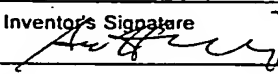
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of First Inventor AHOLA, Manja	Inventor's Signature 	Date 11/23/98
Residence Itatähdentie 4 as 91, FIN-20200 TURKU, FINLAND	Citizenship Finnish	
Post Office Address Sa as residence		

Listing of Inventors Continued on Page 2 hereof. ☒ Yes ☐ No

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

FHFGD 4/97

Full Name of Second Inventor FAGERHOLM, Heidi	Inventor's Signature 	Date 11/20/98
Residence Malmnäsintie 13, FIN-21600 PARAINEN, FINLAND		Citizenship Finnish
Post Office Address Same as residence		
Full Name of Third Inventor KANGASNIEMI, Ilkka	Inventor's Signature 	Date 11/21/98
Residence Köydenpunojankatu 12 B 5, FIN-20300 TURKU, FINLAND		Citizenship Finnish
Post Office Address Same as residence		
Full Name of Fourth Inventor KIESVAARA, Juha	Inventor's Signature 	Date 11/24/98
Residence Tammikallionpolku A 3, FIN-20660 LITTOINEN, FINLAND		Citizenship Finnish
Post Office Address Same as residence		
Full Name of Fifth Inventor KORTESUO, Pirjo	Inventor's Signature 	Date 11/27/98
Residence Metsäpirtinkatu 13 A 2, FIN-20740 TURKU, FINLAND		Citizenship Finnish
Post Office Address Same as residence		
Full Name of Sixth Inventor KURKELA, Kauko	Inventor's Signature 	Date 12/03/98
Residence Aapontie 11 B 1, FIN-02180 ESPOO, FINLAND		Citizenship Finnish
Post Office Address Same as residence		
Full Name of Seventh Inventor SAARINEN, Niilo	Inventor's Signature 	Date 11/20/98
Residence Talinkorventie 18 A, FIN-20320 TURKU, FINLAND		Citizenship Finnish
Post Office Address Same as residence		
Full Name of Eighth Inventor YLI-URPO, Antti	Inventor's Signature 	Date 11/23/98
Residence Värtinäkatu 17, FIN-20660 LITTOINEN, FINLAND		Citizenship Finnish
Post Office Address Same as residence		
Full Name of Ninth Inventor	Inventor's Signature	Date
Residence		Citizenship
Post Office Address		
Full Name of Tenth Inventor	Inventor's Signature	Date
Residence		Citizenship
Post Office Address		

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Manja Ahola et al.

Serial Number: Unassigned

Group Art Unit: Unassigned

Filed: April 21, 2004

Examiner: Unassigned

For: DISSOLVABLE OXIDES FOR BIOLOGICAL APPLICATIONS

TRANSMITTAL OF POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

April 21, 2004

Sir:

Transmitted herewith are copies of a Revocation of Power of Attorney and Appointment of New Attorney, and a Certificate Under 37 CFR § 3.73(b) which were filed in parent application S.N. 10/178,718. These papers revoked all previous powers of attorney and appointed the undersigned as principal attorney with full power to prosecute the parent application and transact all business in the Patent and Trademark Office in connection therewith. Also attached is a Notice of Acceptance of Power of Attorney mailed March 14, 2003.

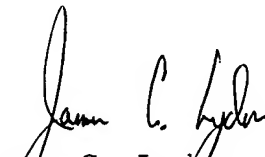
It is not believed any fee is required for entry and consideration of this Transmittal. Nevertheless, the Commissioner

New U.S. Patent Appln.
TRANSMITTAL OF POWER OF ATTORNEY

PATENT

is authorized to charge our Deposit Account No. 50-1258 in the
amount of any such required fee.

Respectfully submitted,



James C. Lydon
Reg. No. 30,082

Atty. Case No. TUR-140-A
100 Daingerfield Road
Suite 100
Alexandria, Virginia 22314
Telephone: (703) 838-0445
Facsimile: (703) 838-0447

Enclosures:

Revocation of Power of Attorney
and Appointment of New Attorney
Certificate Under 37 CFR § 3.73(b)
Notice of Acceptance of Power of Attorney

Commissioner for Patents
Washington, DC 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/178,718	06/25/2002	Manja Ahola	06995.0002-01

JAMES C. LYDON
100 DAINGERFIELD ROAD
SUITE 100
ALEXANDRIA, VA 22314

CONFIRMATION NO. 6121



OC000000009647319

Date Mailed: 03/14/2003

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/16/2002.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

CORALIA BETANCOURT
1600 (703) 308-3570

ATTORNEY/APPLICANT COPY

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Manja AHOLA et al.

Serial Number: 10/178,718

Group Art Unit: 1615

Filed: June 25, 2002

Examiner:

For: DISSOLVABLE OXIDES FOR BIOLOGICAL APPLICATIONS

**REVOCATION OF POWER OF ATTORNEY
AND APPOINTMENT OF NEW ATTORNEY**

Commissioner for Patents
Washington, D.C. 20231

Sir:

Bioxid Oy, a Finnish corporation having a place of business at Tykistökatu 4 D, 4. krs, FIN-20520 Turku, Finland, is the sole owner of this application, as set forth in the attached Certificate Under 37 C.F.R. § 3.73(b).

The Assignee of this application hereby revokes all previous powers of attorney granted in this application, and hereby appoints as principal attorney James C. Lydon, Reg. No. 30,082, with full power to prosecute this application and transact all business in the Patent and Trademark Office in connection therewith.

U.S. Patent Appln. S.N. 10/178,718
REVOCATION OF POWER OF ATTORNEY
AND APPOINTMENT OF NEW ATTORNEY

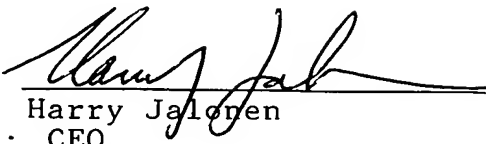
PATENT

Please direct all communications concerning this application
to the following address:

100 Daingerfield Road
Suite 100
Alexandria, Virginia 22314
Telephone: (703) 838-0445
Facsimile: (703) 838-0447

A Certificate Under 37 C.F.R. § 3.73(b) is attached.

BIOXID OY

By: 
Harry Jalonon
Title: CEO
Date: 12 December 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**PATENT**

In re the Application of:

Manja AHOLA et al.

Serial Number: 10/178,718

Group Art Unit: 1615

Filed: June 25, 2002

Examiner:

For: DISSOLVABLE OXIDES FOR BIOLOGICAL APPLICATIONS

CERTIFICATE UNDER 37 CFR § 3.73(b)

Bioxid Oy, a Finnish corporation, certifies that it is the
(Name of Assignee) (Type of Assignee)
assignee of the entire right, title and interest in the patent
application identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent
application identified above. The assignment was recorded
in the Patent and Trademark Office at Reel _____, Frame
_____, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventors of parent U.S.
application S.N. 09/194,256, of which the patent
application identified above is a continuation, to the
current assignee as shown below:

1. From: Manja AHOLA, Heidi FAGERHOLM, Ilkka KANGASNIEMI,
Juha KIESVAARA, Pirjo KORTESUO, Kauko KURKELA, Niilo
SAARINEN and Antti YLI-URPO To: Orion Corporation AND
Bioxid Oy. The document was recorded in the Patent and
Trademark Office at Reel 010182, Frame 0367 on August 20,
1999, and re-recorded at Reel 010773, Frame 0005 on April
25, 2000.

2. From: Orion Corporation AND Bioxid Oy To: Bioxid Oy. The
document was recorded in the Patent and Trademark Office
at Reel 011845, Frame 0928 on May 29, 2001.

☐ Additional documents in the chain of title are listed on
a supplemental sheet.

☐ Copies of assignments or other documents in the chain of
title are attached.

The undersigned has reviewed all the documents in the
chain of title of the patent application identified above and, to
the best of undersigned's knowledge and belief, title is in the
assignee identified above.

U.S. Patent Appln. S.N. 10/178,718
CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

PATENT

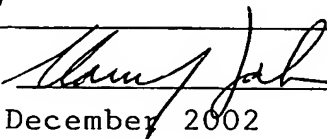
The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

BIOXID OY

Typewritten Name: Harry Jalonon

Title: CEO

Signature: 

Date: 12 December 2002